Degree of Warmth of the Weather marked on the ſemicircular Arch. At (*h*) is a Screw thro' two Studs, to draw the great Lever backwards and forwards, as Occaſion may be; (*i*) is a Counter-balance to the ſmall Lever to draw the Hand back when the Braſs Bar ſhrinks. *See the* Figure *prefixed in the* TAB.

In the Beginning of the Year 1735. I invented, and cauſed to be conſtructed, a Thermometer on the ſame Principles as this: I found that a Rod of Braſs 3 Feet long was ſenſibly affected by the Changes of Heat of the Weather, having one expoſed in my Garden during the hard Froſt of the Winter 1739 and 40. And my Inſtrument was very ſenſible with either a Braſs Rod or an Iron Rod, when the Bottom of it was placed in a Sand-Heat for chemical Uſes; but I ſhall refer the Reader to the Appendix to the preceding N°. *p.* 672. *& ſeq.* wherein I have given, a full Deſcription of my Invention, and the Reaſons why I did not publiſh it before; tho' I have ſhewn the Inſtrument to Scores of People ever ſince *May* 1735. and ſent a Deſcription and Draught of it to M. *Buffon*, Superintendant of the *Royal Phyſick Garden* at *Paris* in the Year 1744. in order for his laying it before the *Royal Academy* of *Sciences* at *Paris*, from which I had ſome time before received a *Diploma* upon having the Honour of being appointed one of their *Correſponding Members*.

C. Mortimer.

ERRATA.

Page 1. *l.* 9. *for* Febr. 14. *read* Jan. 7 and 14. *P.* 27. in the Column expreſſing the Nutation,

1729. Sept. 8. *for* —6.9 *read* —6.4
1730. Sept. 8. *for* —3.4 *read* —3.9